



JUN 19 2001

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

163  
AF

In re Patent Application of )  
Nakae et al. )  
Application Number: 09/527,440 )  
Filed March 17, 2000 )  
For: PRIMER DESIGN SYSTEM )

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JUN 21 2001

**Art Unit 1631 TECH CENTER 1600/2900**

**Examiner J. Lundgren**

**Honorable Assistant Commissioner  
for Patents  
Washington, D.C. 20231**

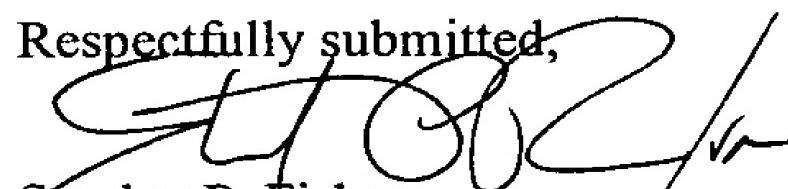
**LETTER**

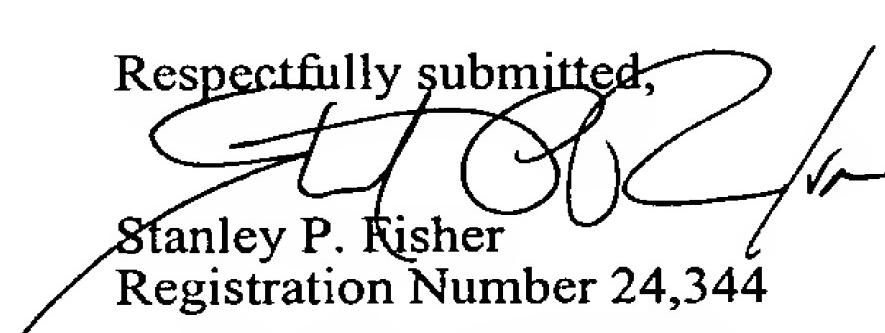
Sir:

Transmitted herewith is a response/amendment in the above-captioned application.

- Small entity status of this application under 37 C.F.R. §§ 1.9 and 1.27 has been established by a verified statement previously submitted.
- No additional fee is required.
  
- Please charge my **Deposit Account Number 08-1480** in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is attached.
  
- A check in the amount of **\$390.00** for Petition for 2-month extension is attached.
  
- A check in the amount of **\$562.00** for 9 claims over 20 and for 5 additional independent claims
  
- The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 08-1480**. A duplicate copy of this sheet is attached.
  
- Also enclosed is a *Response to an Office Action and a Petition for a 2-month extension of time with appropriate government fee.*

Respectfully submitted,

  
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**June 19, 2001**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

# 12/C  
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In re Patent Application of *Nakae et al.* JUN 19 2000  
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**RESPONSE AND AMENDMENT UNDER 37 C.F.R. §1.111**

Sir:

This is in response to the office action dated January 22, 2001, in the above identified application, the period for response to which has been extended to expire on June 22, 2001 with a two-month extension fee filed herewith. Please substitute the above identified application with the replacement paragraphs/sections/claims as follows:

## **IN THE CLAIMS:**

**Please substitute claims 1, 7, 8, 11 and 19 with the following amended claims:**

1

- #### 1. A primer design system, comprising:

means for selecting a plurality of different DNA nucleotide sequences from a database including a plurality of DNA nucleotide sequences of human genomes; and

a control unit for controlling the system, said control unit controlling:

means for extracting a plurality of partial sequences meeting extraction conditions from the plurality of different DNA nucleotide sequences, wherein said extraction conditions including a predetermined base length;

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